



2050 Hammonds Plains Road
Hammonds Plains NS
B4B 1P3

November 2019, Volume 80 Number 9
club web site is www.halifax-arc.org



Merry Christmas next month ONLY A Few Weeks Left to Play in CNPOTA



HARC Club Station phone number - 902-490-6421

Executive

President - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.ca
First V.P. - Jason Ingraham, VE1PYE	292-9924	VE1PYE@bellaliant.net
2nd V.P. - VACANT		
Secretary - Roger Stein, VA1RST	403-3738	burch.craft@gmail.com
Treasurer - Bill Simm, VA1ALW		williamrham@live.ca
Member-at-Large: -Tim Delaney, VA1TIM		kimdelaney@ns.sympatico.ca
Station Manager: - Brian Allen, VA1CC	489-4656	basailor@eastlink.ca
Past President - Jeremy Fowler, VE1JHF	240-4302	ve1jhf@gmail.com
Director Emeritus - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.ca

Committees/Offices/Prime Contacts

Government & Media Relations - Gary Murphy VA1GGM, 461-9416
garygmurphy@gmail.com

QSL Bureau Mgr - Murray MacDonald (VE1BB)
twomacds@ns.sympatico.ca

EMO Coordinator - David George, VE1AJP 466-8723 dgeorge@dal.ca

EMO Trailer coordinator - David Musgrave, VE1EDA 435-4333 ve1eda@rac.ca

Reflector editor - Lynn Bowser, VE1ENT 865-8567 bowser.elliott@ns.sympatico.ca

Reflector Hardcopy Dist. - Jeremy Fowler, VE1JHF 240-4302 ve1jhf@gmail.com

Membership - Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com

Reflector electronic Dist.: Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com

Web site content Manager - Brandon Fowler, VE1BMF bmfwler95@gmail.com

Basic ham course - Jason Ingraham, VE1PYE 292-9924 VE1PYE@bellaliant.net

2020 Flea market Chair - VACANT

2020 Field Day Coordinator - VACANT

Safety Officer - Pat Kavanaugh, VE1PK ve1phk@rac.ca

VA1MMA Project Manager - Dick Grantham, VE1AI rgrantham@ns.sympatico.ca

NSARA Director - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.ca

Honorary Legal Counsel - Paul Radford, VE1ARH

Non Club Contacts

RAC Atlantic Director - Dave Goodwin, VE9CB ve9cb@rac.ca

RAC Section Manager - Dave Hull, VE1HUL d.hull@ns.sympatico.ca

RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2191 ve1qd@rac.ca

Take-15 Net Controllers

This will be the rotation. **We still need more net controllers. If you want to join**, let Bill Elliott, VE1MR, know.



Nov. 24 Bill VA1ALW	Dec. 22 Bill VA1ALW
Dec. 1 Cam VE1BIT	Dec. 29 Cam VE1BIT
Dec. 8 Peter VE1WIN	Jan. 5 Peter VE1WIN
Dec. 15 Gary VA1GGM	Jan. 12 Gary VA1GGM

When you dream in colour, it's a pigment of your imagination.

When two egotists meet, it's an I for an I.

Please send any issues (broken links, missing information, etc.) found on the H.A. R.C. Website to our Website Manager, Brandon Fowler, VE1BMF, at bmfwler95@gmail.com

All phone numbers must be preceded by area code 902 when dialling, unless otherwise indicated

The November 2019 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, 20 November, in the training room at Fire Station 50 in Hammonds Plains. Please see information on page 2 about access, etc.

6:30-7:00pm - Social half-hour with refreshments.

7:00-8:00pm - November business meeting:

8:00-9:00pm - Annual General Meeting and election of officers

Guests are welcome

Photos thanks to
Bill Elliott, VE1MR

www.rac.ca

Deadline for submissions to the January 2020 Reflector is Saturday January 4, 2020

GENERAL INFORMATION



Sunday evenings:
TAKE-15 NET at 8:30 PM

CLUB REPEATERS:
VE1PSR - 147.270 MHz + TX=82.5
VE1PSR/UHF - 444.350 MHz +
VE1PSR/6M - 53.550 MHz -
access tone 151.4 Hz
VE1HNS - 146.940 MHz - TX=82.5
PACKET: VE1NSD 145.050 MHz
LAN NODE

Event for Your Calendar

The CNPOTA Event is supported by Radio Amateurs of Canada and Parks Canada and will run from 00:00 UTC January 1, 2019 until 23:59 UTC December 31, 2019.

LESS THAN 2 MONTHS LEFT FOLKS. And some beautiful autumn weather to activate a Canadian park or historic site. -ed

November 20 - HARC AGM and election of the Club Executive for 2020 .

December 18 - HARC Christmas Party TBD

HARC's NEW CLUB LOCATION – CARD ACCESS PROBLEMS

All cards must be used within the 90 days of issue or they become “locked out”. All card holders are to use their cards on entry as opposed to being let in, or an open door.

If after initial use and then you don't use it within another 90 days you will also be “locked out”.

If you are locked out, PLEASE CALL THE NUMBER ON THE BACK OF YOUR CARD WHICH IS 7/24- GIVE YOUR NAME AND CARD NUMBER AND YOUR LOCATION AND THEY WILL RESET YOUR PASS.

To make the most of **our web page** please send photos, notices of events, and ham radio news items, etc. to Web Site Content Manager - Brandon Fowler (VE1BMF) at bmfwler95@gmail.com

With the addition of Newfoundland/Labrador the Maritime Amateur has grown to become the Atlantic Amateur

The Atlantic Amateur. "Ham Radio Digest for Atlantic Canadians" is at www.atlanticamateur.ca

NOMINATIONS FOR THE 2020 EXECUTIVE COMMITTEE

At the HARC Annual General Meeting on 20 November 2019, we will place in nomination the following persons as members of the 2020 HARC Executive Committee:

President	Brian Allen, VA1CC
1 st Vice-President	Jason Ingraham, VE1PYE
2 nd Vice President	Vacant
Secretary	Roger Stein, VA1RST
Treasurer	Bill Simm, VA1ALW
Station Manager	Vacant
Member-at-large	John Bignell, VE1JMB
Director Emeritus and Past President	Bill Elliott, VE1MR

You will notice a change in the **number** of Executive Committee members. It was decided to recommend that HARC operate with a smaller Executive, partly due to the difficulty of filling positions. This will also necessitate strengthening of our HARC Committee structure and functions. Our recommendations include operating with a single Vice President, but since our Club By-laws specifically specify both a First and a Second Vice President, we will need to make an appropriate change in our By-Laws. In the meantime, we have indicated the Second Vice President position is simply “vacant”.

The Nominations Committee will report more details about these changes at the AGM.

Dick Grantham, VE1AI, Chair, Nominations Committee

Meeting Cancellation Notification Policy & Procedure:

In the future, if the weather looks bad, before you set out under potentially risky conditions, check the Home Page of the HARC website. If the Executive decides to cancel a meeting, we will activate our streaming red banner on the top of the HARC website Home Page. It will let you know of meeting cancellation and/or other important information for Club members. So, if the weather is bad on Meeting night, before you leave home for the Club meeting, check the Home Page of the HARC website for any update.



HARC Booking Calendar

Looking to find out what is going on in the HARC Station? If so, you should go to our on-line room booking calendar at:

<https://teamup.com/ksa1105421c0509940>

There you can find information on events taking place in the:

- Club Station Main Meeting Room
- Club Library / Technical Room
- Club Radio Station Room

• Club Remote Radio Reservation Booking

If you want to reserve space in one of the above three rooms, or if you are approved to use and want to book time on the Club Remote Radio, then send an email to our Station Manager, Brian, VA1CC at 902-489-4656

or basailor@eastlink.ca or to our Club Website Manager, Brandon, VE1BMF, at bmfwler95@gmail.com and they will make your booking.

PRESIDENT'S MESSAGE for November, 2019

Since this is the last newsletter for 2019 I would like to thank all those who supported the club during the past year. It has been a good year with progress in updating the club station and starting a couple of projects to enhance communications in the local area. The coming year should see the finish of several projects started in the past year and the beginning of several new projects. My time has been limited by helping to take care of Lynn but I hope to finish off some of the things I have had to let slide. Stepping back from the presidency will allow me to finish updating the By-Laws and Policies as well as doing a couple of other tasks for the club.

Kudos to the HARC ARRL Field Day operators and support team this year. Despite the poor propagation and inter-station interference we did very well for our first attempt of the ARRL Field Day at our new location. Our official score was 4588 points. We placed #240 out of 3112 entries - this is in the top 10%. We placed #1 in Canada in the 2F class and #8 overall out of 75 2F class stations. We placed #8 overall in Canada regardless of entry class and the top Maritime section entry with our closest rival being VE1LD (GOTA VA1AVR) the Kings County and Annapolis Valley ARCs with 4050 points in the 3A class. The top 7 stations in Canada were from Ontario.

My main disappointments this year was participation in Exercise Handshake that is held on the last Tuesday of every month, people to step forward for the Take-15 net control and the Saturday morning radio checks. Mostly the same operators took part in Exercise Handshake, Take-15 net control and the Saturday morning radio checks.

This is my last President's report and would urge newer members to step forward for some of the club tasks. Participation brings rewards such as learning new skills, comradery and meeting more of the club members. The Halifax Amateur Radio Club is one of the largest and most active clubs in Canada. I would also urge members to join Radio Amateurs of Canada (RAC) our voice to the government. RAC and the Canadian Amateurs are known throughout the world as a major player in international radio circles.

Some final notes:

The club is extremely fortunate in having a station at the Maritime Museum of the Atlantic. The club members participating there have raised the profile of Amateur Radio both locally and internationally.

Having an Advanced course for the first time in many years will help the club in the future by having more technically competent members.

73 - Bill Elliott, VE1MR, President of the HARC

HARC has a stock of **Anderson Powerpole connectors** for sale at \$1.25 each (for a red and black connector for one complete end). To make a complete mating pair will require 2 connectors. If you have not already converted all your gear to Powerpole connectors you should consider doing so. Installation instructions are in the Callbook.

Do you have pictures, an interesting or funny radio-related story, an article or a question or news you would like to share via the HARC Reflector? Please send it/them to Lynn at bowser.elliott@ns.sympatico.ca

Please show "For Reflector" on the "Subject" line so I don't miss it
Thanks ! -ed

NOTICE

Here is a list of returned QSL cards. The reason being that they were returned due to incorrect addresses and some have no money left in their accounts for a re-mailing. It may be that they may do not wish to receive cards. They should contact Murray MacDonald, VE1BB, if they wish to continue to receive cards, or if they do NOT want to receive cards or if they wish to refresh their account and provide a correct address. Also we have recently received a number of cards for hams of which we have no information. New hams or those who do not wish to receive cards should advise those with whom they have a QSO that they do not wish to exchange cards and to let the bureau know of their wishes.

If you know any of these people let them know they must send the QSL Bureau their new address and change the address at ISED. Or if you know their new address please let Murray MacDonald, VE1BB know. The QSL Bureau address is the same as the club address and Murray's E-mail is:

twomacds@ns.sympatico.ca

VE1AKE	VE1AKT	VE1AN
VE1AX	VE1AYY	VE1BT
VE1JOT	VE1KC	VE1KCO
VE1KRE	VE1KTB	VE1LS
VE1LPL	VE1MEA	VE1OZ
VE1RAB	VE1RST	VE1RX
VE1UY		

QSLs ON HAND – NO RECORD IN SYSTEM (IF THESE BELONG TO YOU PLEASE ADVISE BUREAU MANAGER OR CARDS WILL BE DESTROYED.

VA1CN	VE1TB	VA1DER
VA1PR	VA1RG	VA1RJR
VA1TIM	VA1VC	VA1VM
VA1AAY		
VE1ASL	VE1AY	VE1ASQ
VE1BAC	VE1CME	VE1ECA
VE1EM	VE1HW	VE1JEC
VE1JJP	VE1JXT	VE1PIE
VE1SPI	VE1SVP	VE1ZZN

HARC Annual General Meeting 21 November 2018

Jeremy VEJHF opened the meeting at 1955 AST welcoming everyone to the Annual General Meeting.

Acceptance of the Agenda
Moved by Brian VA1CC
Seconded by Peter VE1PJW
Motion Carried

Appointment of a Secretary for the AGM (Roger Stein) VA1RST
Moved by Ian VE1IGP
Seconded by Bill VE1MR
Motion carried

Approval of the Minutes for the 2017 AGM
Moved by Bill Elliott VE1MR
Seconded by Scott Wood VE1QD
Motion carried

Outgoing Presidents Report for 2018
Jeremy VE1JHF

Move from St Andrews to Station 50, a lot of challenges.

Flea Market held end of May in new location, Lower Sackville Legion Hall, booked for next year, good parking, food from the Ladies Auxiliary.

For the antenna and tower move, the city provided boom truck and a zoom boom all in one day in July.

Provided communication for the MS walk in May, MS bike tour in July.

The antennas went up in July, followed by cabling, and patch panels, thanks all!

The city provided 13 hard line runs!
Provided communications for the Car Rally in Aug , 6 – 7 people, using portable repeater.

There was no FD due to the station move.

MMA had a successful run.

Ham Breakfast held.

Christmas party will be Dec 19th.

Radios are hooked up.

HATS going well. See Scott to join.
Thanks for the opportunity to serve as your president and make the move.

Reports of other Directors
Same as at regular meeting

Membership Report for 2018 (Jim Calvesbert, VE1PPA)
121 start, end of year 104 dropped
17 report attached

Brit Fader Scholarship Bill Elliott VE1MR reported
\$1500 to Alex Griffin VE1CED

QSL Bureau Report
Murray MacDonald, VE1BB taking over QSL Bureau management.
Thank you Murray!
A box of 5000 or so cards came in so a sort will take place soon.

Treasures 2018 Fiscal Year End Financial Report by Bill Simm, VE1ALW.

Presentation of the Audited Financial Statements as completed by Fraser MacDougal, VE1WO, as the auditor of the books from the period October 1, 2017 to September 30, 2018. The books were prepared by VE1JG, Jim Gilford, treasurer HARC ,for that time period.

Fraser prepared a letter stating the accounts are in order, full, fair, and complete record of the income and expenses for that time period.

Moved Fraser VE1WO
Seconded George, VE1CAW
Motion carried

Presentation of the 2019 Budget Bill Elliott VE1MR, a handout was provided.

Bill presented the budget for 2019, including an HRM grant request for the purchase of 2 Yaesu FTD3000 units for \$7877, discussed club insurance \$1550 for liability and the trailer. Bill went over the line items, both expense and income. In summary there is a projected expenses of \$16,875 against a projected income of \$16,727, resulting in a projected deficit of \$148. The closing balance was \$4093.08 on Sept 30, 2018. The projected closing balance for Sept 30, 2019 is \$3945.08. Discussion.

Moved by Ian, VE1ICP
Seconded by Dick, VE1AI
Motion carried, first vote
A second Vote will be at the January meeting.

Ratification of the Executive Activities 2018 on behalf of the Club.
Moved by Don VE1DTR
Seconded by Peter VE1PJW
Motion carried.

Report from the Nominating Committee and Election of the Executive for 2019.

Scott Wood VE1QD, Bill Elliott VE1MR and Dick Grantham VE1AI, made up the nominating committee. In addition, a slate of recruited people to run the club and the various committees numbers 18, well done and thank you to all those who volunteer their time:

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I have heard many fellow HAMs in the Maritimes speak of interest in 6m ops. In an attempt to coordinate this interest and facilitate QSOs & learning I have created a chat group on <http://groups.io> Subscribe at

MARCAN-6m+subscribe@groups.io

73 Pete VE1PS/VE9NPS Jul.27th:

Want to check road conditions before driving?

New Brunswick Highway Cams:

<http://www.gnb.ca/0113/cameras/allcams-e.asp>

Nova Scotia Highway Cams: <http://gov.ns.ca/tran/cameras/camera.asp>

PEI Highway Cams: <https://www.tourismpei.com/pei-webcams>

Halifax's Armdale Rotary <http://www.novascotiawebcams.com/halifax/armdale-rotary.html#axzz1AmMziRUo>



WRC-19 Update: Week 2
Bryan Rawlings, VE3QN – RAC Special Advisor

We are now two weeks into the World Radiocommunication Conference and the following is a quick summary of the status of the Amateur Radio issues which I outlined in my article in the November-December 2019 issue of The Canadian Amateur.

Six Metres for ITU Region 1 – An allocation in six metres is taking shape. It has been a long and frustrating process and it is not quite over yet. Once it is “in the bag” I should be able to give you a definitive summary of what it will look like. Remember, our best case scenario has been that Amateurs in ITU Region 1 have a 4 MHz primary allocation similar to what has been available for decades in the other two ITU regions.

There are, however, a number of considerations which make this a difficult and unlikely outcome. The hoped-for allocation, however, should protect all existing arrangements while formalizing new options throughout the region. Hopefully, it will soon be possible to provide additional information.

47 GHz and 5G Mobile Telephony

The selection of frequency bands for 5G International Mobile Telephony continues to consume the time of many of the delegates to the Conference. The good news, however, and as reported earlier, is that the Conference has signed off with “No Change” for our primary allocation in 47 metres to 47.2 GHz.

Wireless Access Systems in 5 GHz

Our 6 cm secondary allocation in Region 2 is 5650 to 5925 MHz. Note: In the other two regions the upper limit is 5850 MHz.

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Auditor - Fraser MacDougal VE1WO
Basic Course coordinator Jason Ingraham VE1PYE
EMO Coordinator David George VE1AJP
EMO Trailer Coordinator Dave Musgrave VE1EDA
Field Day Chair Dick Grantham VE1AI
Flea Market Chair Fraser MacDougal VE1WO and George Snow VE1CAW
Government and Media relations Gary Murphy VA1GGM
Honorary Legal Council Paul Radford VE1ARH
MMA Wireless Room Coordinator Dick Grantham, VE1AI
Membership Chair Jim Calvesbert VE1PPA,
Nominations Committee Chair Scott Wood VE1QD
MSARA Director Bill Elliot, VE1MR
Program Committee Chair Scott Wood, VE1QD
QSL Bureau Manager Murray MacDonald VE1MMD
Reflector Editor Lynn Bowser VE1ENT
Safety Officer Pat Kavanaugh VE1PK
Swap Shop Manager/Web Site Manager Brandon Fowler VE1BMF

Scott gave a list of new * people, the following selections presented as slate of officers:

*Member at Large: Tim DeLaney VE1TIM
Station Manager: Brian Allen VA1CC
*Secretary: Roger Stein VA1RST
*Treasurer: Bill Simm VE1ALW
*1st VP: Jason Ingram VE1PYE
President: Bill Elliott VE1MR

All by Acclamation

Adjournment

Moved by Fraser. VE1WO

Respectfully submitted - by Roger Stein, VA1RST

For the 5850 – 5925 MHz segment the Conference has chosen “No Change” and this is a good outcome for Amateurs. The same outcome is hoped for the 5725 – 5850 MHz segment, but this is still very much a work in progress as various footnoted exceptions are in discussion. Some of these are outcomes which Amateurs probably could live with as they restrict new mobile allocations to indoor use only and low (200 mW EIRP) power.

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Photo: The International Amateur Radio Union's Executive with the International Telecommunication Union's Secretary General, Houlin Zhao, at WRC-19.

From left: IARU Vice-President Ole Garpestad, LA2RR; IARU President Tim Ellam, VE6SH; ITU Secretary General Houlin Zhao; and IARU Secretary David Sumner, K1ZZ.

**Halifax Amateur Radio Club
Minutes of the HARC Monthly
General Meeting
16 October 2019**

1. Welcome to the HARC monthly meeting for October 2019: The meeting was called to order by President VE1MR Bill at 2010 hours.
2. Report of any Silent Keys: None to report.
3. Roll Call: 26 members and visitors were in attendance.
4. Acceptance of the Agenda: A motion was made to accept the agenda by VA1RST Roger, seconded by VA1CC Brian, the motion passed.
5. Approval of Minutes of 18 September 2019 as printed in the Reflector: A motion was made by VE1AI Dick, seconded by Allister VE1PAB, motion carried.
6. Correspondence: Amsat Journal arrived.
7. President's Report: There will be an article in the Reflector. Bill VE1MR and Jason VE1PYE have been working on the 6 meter repeater, currently only running milliwatts, after letting some smoke out! The duplexer was retuned, changed out... The antenna is suspect, out of position due to high winds. The antenna will be replaced. Bill has another 4-pole antenna and tower climbers are needed. Bill has a couple of Motorola low band radios ready to go for the repeater.
8. Treasurer's Report: The income from the period of September 1 to September 30 was in the amount of \$191.50. Expenses for the same period came to \$792.09 for a net of negative (\$600.59) the closing balance for the year was \$8,845.22. A motion was made by VA1ALW Bill to accept the report. VE1QD Scott seconded the motion, motion carried.
9. Other Executive Reports: None

10. Committee, Event and Special Projects Reports:

1. Membership Report – No report from Jim this month, Bill VE1MR did not anticipate any changes from last month.
2. EMO - Dave George, VE1AJP reported to be ready for tomorrow's event to have your batteries charged, fresh fuel for your generator, and your 72 hour grab and go kit ready, be prepared! Also a note to make sure your young family members know to register with the Red Cross if you get separated from your parents/providers during an event.
3. Search & Rescue - Dave George, VE1AJP reported getting antenna protectors (cones with reflective bands) for antennas mounted on the roof of the Search and Rescue command vehicle to protect them from the 'feet' of others as the 40' roof mount tower is erected during a command situation, was out again and got disoriented. He was spotted standing by a tree by an observer from the helicopter and assisted. The dog returned 3 days later! Also a gal out on a run in the Halifax bluff area was out for a run, with her headphones in...ran and ran missing all the return trails! It was soon dark and the fire department put up their thermal imaging drone to locate her. Another success. Another person was out but quickly found but had lost their tracking bracelet. A group went out with direction finding equipment and located 'bracelet'
4. Station Manager Report – Brian, VA1CC still investigating satellite tower suppliers. Also reported on the upcoming CQ WW SSB contest the weekend of the 26th-28th.
5. HATS – Scott, VE1QD HATS is the backup supplier of communications for the HRM in conjunction with the government agencies. A full report will be elsewhere in the Reflector. A

debrief of operations during hurricane Dorian is yet to be carried out.

6. Other reports – MMA (Maritime Museum of the Atlantic) VE1AI Dick reported it has been very busy summer every Monday and Thursday and will write up some of the stories! Quite a few hams are coming through, too. Approaching 7000 certificates given out with Nov 6th being the last day. Support has been fantastic to cover the Museum, a big thank you!

QSL Bureau, Murray gave Bill a list of returned address amateurs and those who no longer have any money on file. The

The Troutlake Car Rally was relocated from Annapolis Valley due to not getting access road permits in time. Eight (8) operators were on hand to provide communication in the backwoods, a good Rally, a long day, a rocky start in the AM but smoothed out. Breakfast and dinner were provided. Jason got a new shirt!

Please get your articles in to Lynn earlier rather than later, plain text is preferred to alleviate formatting corrections.

11. Old Business:

Parts for the digital repeater have arrived and in progress. Remote monitoring discussed but not on the top of the list at the moment.

Advanced Course – 21 people in the course with 3 doing home study.

There is an io site being set up for course materials to be posted.

December 14th will be the day of the exam.

Murray, VE1BB will be the Auditor to look over the books for the club.

A Flea Market Chairman is needed for the last weekend in May, May 23rd, the location has already been booked

12. New business: Remote club station report, Fraser VE1WO reported that the old hardware and

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Minutes (Continued from page 6)

software is getting rather dated and takes a lot of attention. The new HF equipment is not supported by the current software. Some of the software providers want a monthly charge so alternate arrangements are being looked at.

A new software and hardware is recommended. A motion was made by Fraser VE1WO, seconded by Brian VA1CC to spend up to \$495 for an MFJ 1234 Remote Ham Radio. Discussion followed. The

motion carried.

John VE1JMB brought up the Jamboree on the Air, discussion followed. It is the same day as the Greenwood Flea Market. Encouragement was given for those interested parties to get together and talk it out.

13. Round Table - Member News: the brief sharing of important personal news..Dave VE1AGP was looking for some 3/0 cable, several suggestions were offered.

Allister VE1PAB gave info on

where Boefoung radios were still available as they had changed their platform.

14. 50:50 Draw: \$27.50 is the amount tonight, ticket #421 was drawn, Doug VE1LDL was the winner!

15. Motion for Adjournment: motioned, meeting adjourned 2120 hours.

Respectfully submitted
by Roger Stein, VA1RST,
HARC Secretary



There was an NSARA Directors meeting after the Greenwood flea market followed by the NSARA Annual General Meeting. At the Directors meeting there was a motion to change the date of the NSARA Contest. It was proposed that the NSARA Contest be moved to March 22, 2020 as long as it does not conflict with a major contest. The motion passed.

The Annual General Meeting was conducted by Bill Elliott, VE1MR, The nominations were Tom Cohoon, VE1TA for President: Shirley Cohoon, VE1JFG for Treasurer: Craig Seaboyer, VE1DSS for Vice President and Bruce Harvey, VE1II for Secretary. There were no further nominations so all were elected by acclamation.

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Other proposals are less welcome and we are hopeful the final verdict on this segment is either "No Change" as in the CITEL Inter-American Proposal or limited to tolerable changes of the type mentioned above.

Wireless Power Transfer for Electric Vehicles

This Agenda Item does not seek an allocation for Wireless Power Transfer for Electric Vehicles (WPT(EV)). Instead, it requests that studies identify which frequency ranges might be used with the least chance of causing harmful interference to radio services.

The Conference accepted the proposed frequency ranges, 19 – 25 kHz for "high" power and 79 – 90 kHz for "medium" power, and also the wording in the proposal emphasizing the need to continue studies into the interference potential of this technology to radio services at and above their operating frequencies. Essentially, this outcome has met the Amateur community's objectives.

Agenda for Future Conferences (WRC-23 and WRC-27)

In a welcome departure from the process followed in previous Conferences, a review of the proposals for the next Con-

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From the Mail Bag



Peter Service, VE1PS sent this link to repurposing electric-vehicle-batteries

<https://www.cbc.ca/radio/day6/recycling-electric-vehicle-batteries-1.5352030>

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ference planned for 2023 and, in certain cases, the Conference following – tentatively scheduled for 2027 – has begun early and with extensive involvement of the Conference delegations.

The International Amateur Radio Union (IARU) in particular has followed carefully a proposal by the CEPT, the European association, to study the compatibility of the Amateur secondary allocation in 1240 to 1300 MHz with the receivers used with the Galileo RNSS (GPS) system. There has been at least one instance of such interference.

The Amateur community would much prefer that this interference case be dealt with using existing mitigation processes – as it has been – rather than four years of study over the appropriateness of the Amateur allocation. The verdict is still out on whether this viewpoint will prevail.

The IARU has also carefully watched a 2023 proposal for an Earth Exploration Satellite System (EESS) using space-based radars in 40 – 50 MHz. While there are references in the proposal for protection, we have concerns that the new radars adequately protect the work done by Amateurs in our adjacent 50 – 54 MHz six-metre band.

Finally, despite the exotic location of this Conference in Sharm El-Sheikh, Egypt, compared with the usual venue in Geneva, Switzerland it is worth mentioning that WRC's are gruelling experiences for all the delegates including those who are here defending Amateur Radio. Time spent at the Conference Centre can routinely stretch to 8 to 12 hours a day and this has included Saturdays and Sundays. It is worth emphasizing, however,

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The Greenwood flea Market was held October 19th. The number of sellers was down slightly but there was quality things on the tables. A lot of things were bought and carried out by the buyers. There was lots of socializing and the Greenwood ARC members ran a great canteen for lunch.

Good Afternoon: Does anyone want a U.S.A. Signal Corps Transmitter Tuning Unit TU8B frequency 6200 to 7700 KCS Serial 90053 made by General Electric. The Price is Right – FREE
Spud VE1BC



HATS NEWS: OCTOBER 2019

The Halifax Auxiliary Telecommunications Service (HATS) is an operational vehicle through which HARC and DARC contribute to emergency telecommunications when a man-made or natural disaster strikes our community. This service is a joint effort of amateur radio clubs in the Halifax region and functions under the direction of the Emergency Management Division of Halifax Regional Fire and Emergency (HRFE)

WHAT'S NEW?

There have been two administrative meetings of interest during October: one was the **Amateur Radio Advisory Committee** on October 9 and the other was the **HATS Steering Committee** on 24 October. Both meetings considered details about how amateur radio responded to Hurricane Dorian. It was clear that HATS was not optimally prepared and lacked familiarization with EMO routines and with the functioning of the Emergency Operations Centre. This boils down to a need for more training and practice. Priorities for remedying our shortcomings include:

- Adding a Training Officer to our management team (urgent!)

- An improved Introductory Course, including materials from the Members Handbook (in progress), The Telecommunications Plan and the Basic Message Handling course.

- A training program for Duty Officers and Communication Assistants (ComA)

- Greater emphasis on practical exercises, including equipment operation, operations and routines in the EOC radio room and simulation

exercises.

Next Friday, 15 November, HATS will participate in a **Volunteer Expo** sponsored by the HRM. We will share tables with HRFE's Emergency Management Division. Our contribution will include demonstrating a portable go-kit, talking about emergency communications and amateur radio, and just for fun, teaching visitors to send their names in Morse code.

There are two events coming up in 2020 in which we are committed to participate. The first is **National Volunteer Week** from 19 – 25 April. In this event we have an opportunity to showcase the work we do for the HRM. The exact design of our program is open for us to propose – a chance to use our imagination, knowledge and experience to shape *our story*. We will want to involve as many members as possible! 2

The Other is **National Emergency Preparedness Week**, from 3 – 9 May, when for the second year we will meet the public in a high visibility venue and demonstrate our emergency communications capability within the context of a planned exercise. Again, we will be engaging as many HATS members as possible.

UP COMING EVENTS:

- Every Sunday at 1930 hrs. the **WinLink Express Practice Net** resumes its regular Sunday evening schedule on 146.685 MHz. If you want more information about the net, please contact David Musgrave: ve1eda@bellaliant.net.

- 13 November (Wednesday) at 1000 hrs., the HRFE/EMO – **Amateur Radio Advisory Committee Meeting** at the Eric Spicer Building, 21 Mt. Hope Avenue in Dartmouth

- 15 November, Friday 0800 – 1500 hrs. **Annual Volunteer Conference & Expo**. HATS will have a table at the EXPO and possibly attend some of the conference sessions. For details on the event, go to: <https://www.halifax.ca/about-halifax/volunteering/volunteer-conference>

- 26 November (Tuesday) at 1900 hrs. **Exercise Handshake** takes place. It provides a monthly opportunity for new and experienced TMR2 users to familiarize themselves with TMR2 radio functionality, test radio equipment and practice passing communications traffic in a non-emergency environment. More details at <https://beta.novascotia.ca/documents/exercise-tmr2-users-exercise-handshake>

ACTION:

We urgently need someone to take on the position as HATS Training Officer. If you are interested but feel uncertain about your qualifications. Contact me. We can help you acquire the skills and experience needed

Remember to submit your **HATS monthly volunteer time and travel data** to Jim Calvesbert, VE1PPA – jim.calvesbert@gmail.com

Do you want **membership information**? Please contact Jeremy Fowler, VE1JHF. He is our membership officer and will see that you get the necessary information and application forms. His contact information is via email: ve1jhf@gmail.com

73 de Scott

K. Scott Wood, VE1QD

Coordinator – Halifax Auxiliary Telecommunication Service (HATS)

Email: scott.ve1qd@gmail.com

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902 495-8092 (c)

**This Space Could Have
Contained Your Item**

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as I pointed out in my article "The Importance of Showing Up", that Amateur Radio would probably not survive in its present form if dedicated Amateurs were not willing and able to participate in these processes.

And, while I will return to this at the conclusion of WRC-19, I would like to acknowledge that once again, as in all previous ITU Conferences, the Canadian Delegation has extended every courtesy and accommodation to me and to our work for Radio Amateurs, and for this Canadian Amateurs are truly blessed.

Canadian Amateurs make this possible through the Defence of Amateur Radio Fund (DARF) so as to be able to cover the transportation and living expenses of our delegate at World Radiocommunication Conferences and at the Preparatory Meetings in Geneva in the intervening years. Try to think of this when you renew your RAC membership or when your club has some funds to spare.



HALIFAX AMATEUR RADIO CLUB MEMBERSHIP - For 2020

- ☐ Same address as last year ☐ New address
- ☐ I would like newsletter as PDF E-Mail (Please note by taking the newsletter online you save the Club significant mailing and printing costs)
- ☐ I would prefer to have the newsletter mailed to my home **at an additional cost of \$10.00 to the regular membership fee structure below..**



E Mail Address (Please provide for our files)

Call Sign _____ Are you currently a RAC member? _____

First Name _____ Initial _____ Surname _____

Street Address (Mailing) _____

City/Town _____ Province _____ Postal Code _____ Telephone Number _____

Fees ☐ Full Member, must be a licensed Amateur (\$30.00)* ☐ Associate member (Non Voting) (\$20.00)

☐ Family membership (one newsletter) (\$30.00)* + \$20.00* each additional person.* Amount submitted \$ ____.

The membership year is from January 1 to December 31.

All members receive the newsletter, which is also available on the HARC website.

Please fill in method of payment ☐ cheque ☐ cash ☐ Interac/e-transfer

✉ Mail to: Membership Chair
Halifax Amateur Radio Club
2050 Hammonds Plains Road
Hammonds Plains NS B4B 1P3

CARD _____

ENTERED _____

Or if using Interac e-transfer to pay, please follow the instructions on the HARC website's Membership page for e-mailing this form and your Interac funds.

Payment Options ... In addition to mailing a cheque to the Club mailing address along with the application form, or paying at the January Club meeting, we have set up an electronic money transfer process.
Go to the H.A.R.C. Website's membership page at <http://www.halifax-arc.org/pages/membership.html> for more details.